

Claims

1. A method for providing a program in a conditional access system, the method comprising the steps of:
 - selecting a digital bit stream from a plurality of digital bit streams;
 - 5 encrypting the selected digital bit stream according to a first encryption method to provide a first encrypted stream;
 - encrypting the selected digital bit stream according to a second encryption method to provide a second encrypted stream;
 - multiplexing the first encrypted stream, the second encrypted stream, and the
 - 10 plurality of digital bit streams to provide a partially-encrypted stream; and
 - transmitting the partially-encrypted stream.
2. The method of claim 1, wherein a portion of the selected digital bit stream is encrypted, wherein the encrypted portion and an unencrypted portion of the selected
- 15 digital bit stream are combined with the plurality of digital bit streams.
3. The method of claim 1, wherein the selected digital bit stream includes a plurality of packets, and wherein each packet includes a packet identifier identifying whether the packet is at least one of a video stream, an audio stream, and a data stream.
- 20 4. The method of claim 3, wherein the selecting step selects the digital bit stream by identifying a predetermined packet identifier.
5. The method of claim 3, wherein the selecting step selects the digital bit stream by
- 25 identifying a plurality of predetermined packet identifiers.
6. The method of claim 5, wherein the plurality of predetermined packet identifiers is at least one of the video stream, the audio stream, and the data stream.
- 30 7. A method for providing a plurality of programs in a conditional access system, the method comprising the steps of:
 - selecting a plurality of elementary bit streams from a transport stream;

encrypting a portion of the selected elementary bit stream according to a first encryption method to provide a first encrypted stream;

encrypting the portion of the selected elementary bit stream according to a second encryption method to provide a second encrypted stream;

5 multiplexing the first and second encrypted streams and the remaining portion of the selected elementary bit stream with the transport stream; and
transmitting the multiplexed stream.

8. The method of claim 7, wherein each of the plurality of elementary bit streams
10 includes a plurality of packets, wherein each packet includes a packet header that is indicative of at least one of a video stream, an audio stream, and a data stream.

9. The method of claim 8, wherein the selecting step selects the plurality of elementary bit streams by identifying at least one of the video stream, the audio stream,
15 and the data stream.

10. The method of claim 7, wherein each of the plurality of elementary bit streams includes a plurality of packet identifiers, and wherein the selecting step selects the plurality of elementary bit streams by identifying a predetermined packet identifier.
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11. The method of claim 7, wherein each of the plurality of elementary bit streams includes a plurality of packet identifiers, and wherein the selecting step selects the plurality of elementary bit streams by identifying a plurality of predetermined packet identifiers.
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12. The method of claim 11, wherein the portion of the selected elementary bit stream includes at least one of the video stream, the audio stream, and the data stream.